

# TRG60A-POE-L

S E R I E S

## 60W POE ADAPTER



### Features

- 60W Single Output
- Universal Input Range 90~264VAC
- Meet CEC & ErP Level V
- Meets EN55022 Class B and CISPR/FCC Class B
- Continuous Short Circuit Protection
- Output Lightning Protection

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 2	VOLTAGE ACCURACY NOTE 1	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	% EFF (Typ.) NOTE 5
TRG60A-POE-L	48 V	1.2 A	150 mV	±2%	±1%	±2%	88%

#### NOTE:

1. Voltage accuracy is set at 60% load and 25°C Ta.
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% load).
5. Typical efficiency with 230 VAC and max. load at 25°C

## Specifications

### INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac  
 Frequency ..... 47 to 63Hz  
 Inrush Current ..... Cold Start@25°C ..... 80A max. @240Vac  
 Leakage Current ..... 1.5mA max.

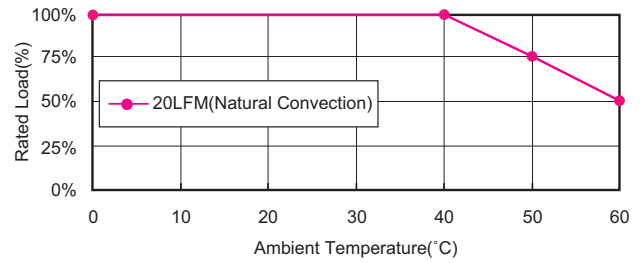
### OUTPUT SPECIFICATIONS:

Holdup Time ..... 8ms typ. @115Vac  
 Short Circuit Protection ..... (Auto Recovery)  
 Over Current Protection ..... Auto-Recovery  
 Temperature Coefficient .....  $\pm 0.05\%/^{\circ}\text{C}$

### GENERAL SPECIFICATIONS:

Isolation ..... Input to Output = 4,242VDC  
 Switching Frequency ..... 65kHz Typical  
 Operating Temperature ..... 0~60°C (see Derating Curve)  
 Storage Temperature ..... -25~85°C  
 Humidity ..... 93% RH max. Non condensing  
 Cooling ..... Natural Convection  
 MTBF ..... MIL-HDBK-217F, GB, 25°C/115VAC ..... 200K hrs min.  
 Altitude ..... 2000m  
 Dimensions ..... 5.906 x 2.776 x 1.378 inches (150.00x70.00x35.00 mm)  
 Weight ..... 348g (0.77 Pounds)

## TRG60A-POE-L Series Derating Curve



Pin	INPUT	Pin	OUTPUT
1	TX(+)	1	TX(+)
2	TX(-)	2	TX(-)
3	RX(+)	3	RX(+)
4	NC	4	DC+
5	NC	5	DC+
6	RX(-)	6	RX(-)
7	NC	7	GND
8	NC	8	GND

## Mechanical Specification

All Dimensions In Inches(mm)  
 Tolerance Inches: x.xxx=  $\pm 0.02$   
 Millimeters: x.xx=  $\pm 0.5$

